



Member of the UT Network

- Belfort-Montbéliard, Compiègne, Troyes (FRANCE)
- Shanghai (CHINA)



## French Engineering degrees

- Industrial Systems
- Informatics and Information Systems
- Systems, Networks and Telecommunications
- Mechanical Systems
- Materials Science and Technology
- Materials Processes and Manufacture



## Master of Science, Health and Technologies

- **Mechanics and Physics**
  - Mechanical Systems and Materials Science
  - Optics and Nanotechnologies
  - Composite Agro-Materials Engineering
- **Information Technology and Communication Sciences**
  - Information Systems Security
  - Systems' Optimization and Security
  - Information Technologies for the Management of Knowledge and Networks
- **Management and Engineering**
  - Global Applied Security Management and Engineering
  - Sport, Management and Engineering – Logistics and Security of Sporting events
  - Engineering and Management for the Environment and Sustainable Development

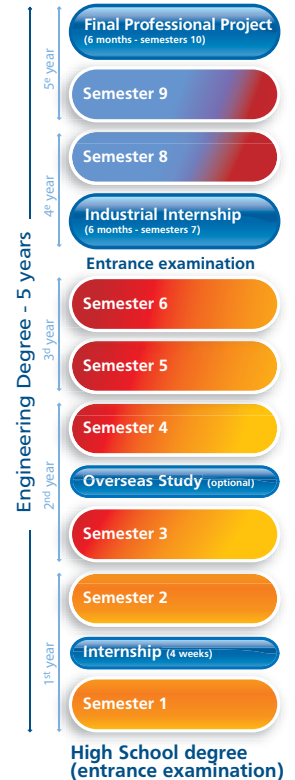
## Doctoral School

## Charles Delaunay's Institute

7 Laboratories associated with the CNRS (National Center for Scientific Research) and holding the Carnot Label

## Transfer of Technology

Internships  
Major Studies with Specialization  
Common Core of Major Studies  
Common Core



# PROGRAMMES IN ENGLISH\*

\* Those are examples of programmes. Some courses are part in French and part in English. This enables the students to learn engineering subjects in English while learning French at the same time.

## MASTER IN ENGLISH: OPTICS AND NANOTECHNOLOGIES (2<sup>nd</sup> year of the master)

Fall	Spring
<i>MO12 Near field optics: theoretical and technological aspects (4 ECTS)</i>	<i>Master's project (30 ECTS)</i>
<i>MO13 Optical spectroscopy (4 ECTS)</i>	
<i>MO23 Numerical and mathematical methods in optics (4 ECTS)</i>	
<i>NT01 Nanotechnologies and the industry (4 ECTS)</i>	
<i>AC (Personal study project) or TX (Laboratory project) (6 ECTS)</i>	
<i>French language (4 ECTS)</i>	
<i>IC01 (Intercultural management), GE44 (Multicultural approach of business and management) and/or EV02 (Environmental economics) (4 ECTS)</i>	

Depends on prerequisites. Please contact the international office before the end of April for information.

## INDUSTRIAL

Fall	Spring
<b>Engineering subjects: (6 ECTS credits each)**</b>	<b>Engineering subjects: (6 ECTS credits each)**</b>
<i>CS01 Value analysis and functional analysis</i>	<i>CS01 Value analysis and functional analysis</i>
<i>AC (Personal study project) and/or TX (Laboratory project)</i>	<i>AC (Personal study project) and/or TX (Laboratory project)</i>
<b>Culture and language: (4 ECTS credits each)</b>	<b>Culture and language: (4 ECTS credits each)</b>
<i>French language</i>	<i>French language</i>
<i>IC01 (Intercultural management), GE44 (Multicultural approach of business and management) and/or EV02 (Environmental economics)</i>	<i>IC01 (Intercultural management), GE44 (Multicultural approach of business and management), LE18 (Heritage) and/or EV02 (Environmental economics)</i>

\*\* Select only 3 or 4 courses among the engineering subjects

## INFORMATION SYSTEMS AND TELECOMMUNICATIONS

Fall	Spring
<b>Engineering subjects: (6 ECTS credits each)**</b>	<b>Engineering subjects: (6 ECTS credits each)**</b>
<i>CS01 Value analysis and functional analysis</i>	<i>CS01 Value analysis and functional analysis</i>
<i>IF16 Intranet, Groupware and Workflow: concepts and Implementation</i>	<i>IF02 Information Systems design</i>
<i>RE01 Corporate networks</i>	<i>RE04 Telecommunications networks 1</i>
<i>AC (Personal study project) and/or TX (Laboratory project)</i>	<i>AC (Personal study project) and/or TX (Laboratory project)</i>
<b>Culture and language: (4 ECTS credits each)</b>	<b>Culture and language: (4 ECTS credits each)</b>
<i>French language</i>	<i>French language</i>
<i>IC01 (Intercultural management), GE44 (Multicultural approach of business and management) and/or EV02 (Environmental economics)</i>	<i>IC01 (Intercultural management), GE44 (Multicultural approach of business and management), LE18 (Heritage) and/or EV02 (Environmental economics)</i>

\*\* Select only 3 or 4 courses among the engineering subjects

## MECHANICAL

<b>Fall</b>	<b>Spring</b>
<b>Engineering subjects: (6 ECTS credits each)**</b>	<b>Engineering subjects: (6 ECTS credits each)**</b>
<i>CS01 Value analysis and functional analysis</i>	<i>CS01 Value analysis and functional analysis</i>
<i>MQ01 Strength of materials</i>	<i>MQ06 Modeling structures using finite elements</i>
<i>TN14 Initiation in CAD: geometric modeling</i>	<i>TN16 Concurrent engineering and CAD/CAM support</i>
<i>MQ03 Dynamics and vibrations of mechanical systems</i>	<i>AC (Personal study project) and/or</i> <i>TX (Laboratory project)</i>
<i>AC (Personal study project) and/or</i> <i>TX (Laboratory project)</i>	
<b>Culture and language: (4 ECTS credits each)</b>	<b>Culture and language: (4 ECTS credits each)</b>
<i>French language</i>	<i>French language</i>
<i>IC01 (Intercultural management), GE44 (Multicultural approach of business and management) and/or EV02 (Environmental economics)</i>	<i>IC01 (Intercultural management), GE44 (Multicultural approach of business and management), LE18 (Heritage) and/or EV02 (Environmental economics)</i>

\*\* Select only 3 or 4 courses among the engineering subjects

## MATERIALS

<b>Fall</b>	<b>Spring</b>
<b>Engineering subjects: (6 ECTS credits each)**</b>	<b>Engineering subjects: (6 ECTS credits each)**</b>
<i>CS01 Value analysis and functional analysis</i>	<i>CS01 Value analysis and functional analysis</i>
<i>OB01 Basic scientific tools for the engineer</i>	<i>MA20 Materials analysis and microscopic characteristics</i>
<i>OP01 Optic and optoelectronic materials</i>	<i>MA21 Materials analysis and macroscopic characteristics</i>
<i>AC (Personal study project) and/or</i> <i>TX (Laboratory project)</i>	<i>AC (Personal study project) and/or</i> <i>TX (Laboratory project)</i>
<b>Culture and language: (4 ECTS credits each)</b>	<b>Culture and language: (4 ECTS credits each)</b>
<i>French language</i>	<i>French language</i>
<i>IC01 (Intercultural management), GE44 (Multicultural approach of business and management) and/or EV02 (Environmental economics)</i>	<i>IC01 (Intercultural management), GE44 (Multicultural approach of business and management), LE18 (Heritage) and/or EV02 (Environmental economics)</i>

\*\* Select only 3 or 4 courses among the engineering subjects

Want to have an introduction to French language and French culture or want to improve your level in a multicultural atmosphere before the semester starts?



**4-week Intensive course  
in August or February  
FREE OF CHARGE!!!\***



Get 6 ECTS credits in 4 weeks: *French as a Foreign Language*

And get to know more about the UTT, Troyes and the Champagne region with the different visits and activities (Troyes and Paris, week end at the lake in August, champagne cellar...)


























\* *Course tuition fee waived for students coming from partner universities and depending on exchange balance*

*Accommodation, transportation food, activities and personal expenses to be paid by the student*



This icon means that the course will be part in French and part in English

This icon means the course is completely in English

	Course title	Fall	Spring	ECTS credits	Details
AC	Personal study project	X	X	6	
CS01	Value analysis and Functional Analysis	X	X	6	
EV02	Environmental economics	X	X	4	
GE44	Multicultural approach of business and management	X	X	4	
IC01	Intercultural management	X	X	4	
IF02	Information Systems design		X	6	
IF16	Intranet, Groupware and Workflow: concepts and Implementation	X		6	
LE18	Heritage		X	6	
LO13	3D computer graphics: theory and applications		X	6	
MA20	Materials analysis and microscopic characteristics		X	6	
MA21	Materials analysis and macroscopic characteristics		X	6	
MO12	Near field optics: theoretical and technological aspects	X		4	
MO13	Optical spectroscopy	X		4	
MO23	Numerical and mathematical methods in optics	X		4	
MQ01	Strength of Materials	X		6	
MQ03	Dynamics and vibrations of mechanical systems	X		6	
MQ06	Modeling structures using finite elements		X	6	
OB01	Basic scientific tools for the engineer	X		6	
NT01	Nanotechnologies and the industry			4	
OP01	Optic and optoelectronic materials	X		6	
RE01	Corporate networks	X		6	
RE04	Telecommunications networks 1		X	6	
TN14	Initiation into CAD: geometric modeling	X		6	
TN16	Concurrent engineering and CAD/CAM support		X	6	
TX	Laboratory project	X	X	6	

Interested? Contact us: [incoming@utt.fr](mailto:incoming@utt.fr)